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PERCEPTIONS OF U.S. NAVY MEDICAL RESERVISTS RECALLED FOR OPERATION DESERT STORM

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Abstract

The recall of reserve forces in support of Operations Desert Shield/Storm resulted in the activation of approximately 9,700 Navy medical reservists. The purpose of this study was to identify major issues associated with the recall and assignment experiences. A demographically representative sample of 3,804 medical reservists (39%) responded to a survey between June and September, 1991. Results indicated that inprocessing and out-processing were conducted in a timely and professional manner. Reservists felt well prepared to meet the challenges of their recall assignments; however, they did not strongly endorse the Reserve training program. As a general trend across operationally-oriented issues, such as command staffing and equipment, habitability and administration, and leadership and assignment satisfaction, responses were moderately positive. Reservists assigned to CONUS hospitals rated items more positively than those assigned to Marine support, and officers were more positive than Hospital Corpsmen. Medical and Dental Corps officers experienced the greatest financial hardships. Child care/dependent care requirements of most reservists with children appeared to be reasonably well met. Results are presented as a descriptive heuristic for policy considerations.

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The Total Force concept, which fully integrated the Reserve components into a national defense strategy and placed increased reliance on their augmentation for the rapid and substantial expansion of the active forces in time of conflict, was incorporated as part of our national policy by congressional action during the final years of the Vietnam War. 1-2 It was not until the Iraqi invasion of Kuwait, however, nearly 20 years later, that this concept would be fully tested. The recall of the reserve forces in support of Operation Desert Shield was authorized by the President on 22 August 1990, and set in motion a process which would activate approximately 9,700 U.S. Navy medical reservists over the succeeding six months. The Naval Selected Reserve medical assets included enlisted Hospital Corpsmen and Dental Technicians, as well as Medical, Dental, Nurse, and Medical Service Corps officers.

During Operations Desert Shield and Desert Storm, medical personnel comprised approximately 50 percent of the naval reservists who were recalled.³ The majority of these personnel (71%) were assigned to approximately 18 medical treatment facilities within the continental United States to sustain the patient care capability as the active duty members were transferred to assignments in the Gulf War. Those Navy medical reservists who deployed to the Gulf War provided staffing for two self-contained 500-bed fleet hospitals, augmented the hospital ships USNS Mercy (T-AH 19) and USNS Comfort (T-AH 20), and supported the Fleet Marine Force.

As the recall was initiated, the Surgeon General of the U.S. Navy recognized the opportunity to evaluate the recall process, and requested a study of all Navy medical reservists recalled in support of Operations Desert Shield/Storm. The purpose of this study was to identify major issues associated with the recall process and assignment experience.

METHODS

Sample

A total of 3,804 medical reservists (39%) responded to the survey between June and September, 1991. As shown in Table 1, this sample of recalled medical reservists was very representative of the population (N=9,747). However, the response rate from Hospital Corpsmen, particularly the paygrades of E3 and E4, was somewhat low. Unlike the Navy population, approximately 40 percent of the medical reservists were women and about 30 percent were officers. The majority of the sample was married (64%), and nearly two-thirds of the reservists' spouses were employed full-time. About one-fourth of the spouses were affiliated with the military. Approximately 3 percent of the men and 10 percent of the women were single parents, and 70 percent of the married personnel had children under the age of 18 living at home. The mean age of the sample was 35 years, with a range from 18 to 65 years. The sample consisted primarily of Hospital Corpsmen (56%), Nurse Corps officers (24%), and Medical Corps officers (12%). The majority of the reservists (65%) had prior active duty experience. Within the three officer corps, approximately 81 percent of the men and 64 percent of the women reported previous active duty experience. Among Hospital Corpsmen, 69 percent of the men and 45 percent of the women reported previous active duty experience. About one-half of the corpsmen (52%) and most of the officers (89%) used skills in their civilian occupations which were similar to the skills required by their Navy Officer Billet Classification (NOBC) or Navy Enlisted Classification (NEC).

The majority of the reservists in this sample was recalled during August, 1990 (24%), and during January (34%) and February (23%) of 1991. The Reserve units of the respondents represented all 50 states, Washington, D.C., and Puerto Rico. The greatest numbers of reservists who responded to the survey resided in California (18%), Virginia (7%), and Florida (7%). While many reservists were deployed to the Persian Gulf area, most (71%) served in the continental United States (CONUS), typically augmenting hospital or clinic positions vacated by active duty personnel who were deployed to the Gulf.

For those reservists who were recalled to CONUS facilities, approximately one-third were assigned within 60 miles of their home. Overall, the

median distance to the recall assignment within CONUS was 225 miles. The time between personal notification and deadline for in-processing ranged from less than eight hours to 90 days, with a median of five days. Approximately 26 percent of the respondents indicated that the notification time was not adequate. A large proportion of these respondents (46%) for whom the notification time was not adequate were processed during the first recall in August, 1990. The median notification timespan for those respondents who indicated that the time was inadequate was two days. During inprocessing, 38 percent of the respondents were aware of the delay/exemption policy, and 6 percent requested a delay or exemption.

Procedure

Based largely on input from the Bureau of Medicine and Surgery, research personnel at the Naval Health Research Center (NHRC) constructed an 82-item survey to assess demographic information, experiences regarding in-processing, out-processing, and recall assignment, and attitudes and perceptions regarding recall issues. The quantitative assessment of attitudes and perceptions was measured in part by four, five-point, Likert-type rating scales. One set of 12 items assessed satisfaction, using the verbal anchors "very dissatisfied" (1) and "very satisfied" (5). A second set of 13 items assessed agreement, using the verbal anchors "strongly disagree" (1) and "strongly agree" (5). A third set of five items assessed hardship, using anchors "no hardship" (1) and "severe hardship" (5). A final set of four items assessed the quality of preparedness for recall duties, using "not at all well" (1) and "very well" (5). A copy of the questionnaire is provided in Appendix A.

In June, 1991, the survey was mailed to all medical reservists who were recalled during Operations Desert Shield/Storm. Privacy Act issues were addressed in a cover letter from the Navy Surgeon General, and participation was voluntary. The anonymous surveys were returned to NHRC in pre-addressed envelopes through September, 1991. All quantitative data on the surveys were double-entered by two data-entry clerks into separate computer files which were then matched and verified in accordance with normal NHRC data quality assurance procedures.

Table 1
Demographic Summary of Survey Respondents (N=3,804)

Population* and Sample Data:

					Rank	/Paygrade		
Corps/Rate				Offic		70	Enlis	ted
Corps	Pop.	Sample		Pop. <u>%</u>	Sample 		Pop. <u>%</u>	Sample <u>%</u>
AA 11	<u>%</u>		Total	28	42	Total	72	58
Medical Corps		12	WO	<1	<1	E-1	<1	<1
Dental Corps		1	0-1	1	1	E-2	3	1
Medical Service Corps Nurse Corps		6 24	0-2	5	5	E-3	18	9
Hospital Corpsman		56	O-3	33	33	E-4	28	22
Dental Technician		_	0-4	30	29	E-5	28	33
Delitar Fecialician	100	100	0-5	18	19	E-6	14	21
		100	0-6	_13	<u>13</u>	E-7	5	9
				100	100	E-8	2	3
	Α	ge				E-9	<u><1</u> 100	100
		Sample		5	Sex		100	100
	%	%		Pop.	Sample			
Mean	33.4	35.5		<u>%</u>	%			
Std. Dev.	8.8	8.9	Male	60	54			
Range	18-66	18-65	Female	40	46			

Sample Data Only:

Marital Status by Children Living at Home

		Me	en					
	Total	Child(ren) 1-12 yrs only	Child(ren) 1-12 &/or 13-17 yrs	No Children	Total %	Child(ren) 1-12 yrs only	Child(ren) 1-12 &/or 13-17 yrs	No Children
Married	70	32%	19%	19%	59	28%	10%	21%
Not Married	30	2%	1%	27%	41	7%	3%	31%

Spouse's Employment		Spouse's Militar	Race			
Spouse Not Employed 20 Full-time/Active Duty 66 Part-time 14 100	478 1,624 350 2,452	Spouse Not in Military 75 Active Duty Military 15 Reserve, Not Recalled 7 Reserve, Recalled 3	1,846 360 177 69 2,452	White Black Hispanic Filipino/Pac. Is. Asian Other	% 84 7 5 2 1 100	7 3,191 257 174 88 44 34 3,788

Civilian Skills Similar to NOBC/NEC (n=3,724)

Officer Enlisted 89% 52%

Miscellaneous

Prior Active Duty 65 2,448
Self Employed 13 480

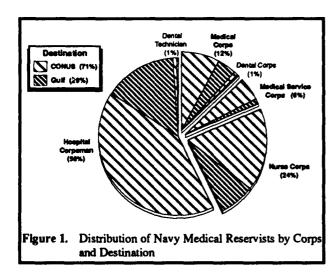
^{*} Population Data provided by Naval Reserve Personnel Center, New Orleans, LA (N=9,747)

RESULTS

The first section of the results of this study describes the overall recall process. The second section describes the analytic procedures used to consolidate and interpret the items which were presented in a five-point rating scale format. The next section presents the associations between professional corps and aspects of the recall process. The influence of duty assignment is addressed in the fourth section, and gender-related issues are presented in the final section.

Recall Process

As shown in Figure 1, the majority of reservists who were recalled were assigned to a CONUS facility. While 62 percent of all medical reservists were assigned to a hospital or clinic in CONUS, approximately 17 percent were assigned to a fleet hospital in the Gulf. Based on the computation of expected values of each assignment by each corps, Medical Corps and Nurse Corps officers were placed more frequently in hospital/clinic or fleet hospital assignments and Hospital Corpsmen were more frequently assigned with the Fleet Marine Force. Subsequent to the initial recall, only about 12 percent of the sample indicated that their orders were modified.



An analysis of the association between Reserve program affiliation and recall assignment demonstrated a high degree of concordance. Approximately 90 percent of the reservists in the Surface Medical Program (Program 32) were assigned to a hospital, clinic, or hospital ship, and 77 percent of the personnel in the Fleet Marine Force

Program (Program 9) were assigned to the Fleet Marine Force. In addition, 64 percent of the reservists in the Fleet Hospital Program (Program 46) were assigned to a fleet hospital, and 31 percent were assigned to a hospital or clinic.

Scale Development

A large portion of this questionnaire consisted of specific items which assessed the recall experience. Most of these items were presented in a five-point rating scale format, and the mean response values on each of these items are presented for each corps in Appendix B. While many of the results of this survey were straightforward, others required the use of analytic procedures to combine similar items, reduce complexity, and enhance interpretability. Factor analytic and scaling procedures were used to derive a set of themes or dimensions underlying the quantitative items. Specifically, the 34 quantitative items were entered into a principal components factor analysis to derive a set of underlying dimensions. Factor loadings of .40 or greater were used to develop the factors, and a varimax rotation was employed. As shown in Table 2, this analysis yielded a nine-factor solution, and the following descriptive labels were assigned on the basis of item content: 1) Leadership and Assignment, 2) Preparation in the Reserve, 3) Habitability and Administration, 4) Community and Family Support, 5) Financial and Family Hardship, 6) In-processing and Out-processing, 7) Preparedness, 8) Command Staffing and Equipment, and 9) School Attendance and Dependent Care Hardship.

The items in these factors were then entered into a scaling analysis to determine internal consistency and reliability. The scale reliabilities (coefficient alphas), item-total correlations, and mean response values are presented in Table 3. The reliability of the School-Attendance-and-Dependent-Care scale was not sufficient (coefficient alpha=.41), and this two-item scale was removed from subsequent analyses. However, an inspection of the single item which assessed the impact of the recall on child care/dependent care provided some interesting observations. When asked to rate the hardship associated with child care/dependent care on a scale which ranged from 1 ("no hardship") to 5 ("severe hardship"), single parents generally perceived a greater impact (mean=3.00) than married parents (mean=2.52) [t(301)=4.82, p<.001]. Approximately 18 percent of the single parents rated

Table 2 Factor Analysis Results on the 34 Scale-Format Items (N=3,738)

Item wording is abbreviated.

Table 3
Scale Reliabilities and Mean Values

Quantitative Item Grouping	Corrected Item-Total Correlation	Standardize Coefficien Alpha	
Preparation in the Reserve		.84	3.20
How well did your training in the Reserve prepare you for:			
your recall assignment in operational training?	.69		
your recall assignment in leadership/management training?	.69		
your recall assignment in general military training?	.67		
your recall assignment in clinical/professional skills training?	.66		
Leadership and Assignment		.84	3.61
My skills were well utilized during my recall.	.65		
I was well accepted at the command to which I was recalled.	.61		
Recall Assignment satisfaction	.65		
At the command I was recalled to, the leadership was of high caliber.	.51		
My recall assignment was appropriate for my NOBC/NEC.	.49		
Overall Recall Experience satisfaction	.68		
Training Opportunities satisfaction	.50		
My final recall duty station was prepared to receive me when I arrived.	.48		
In-Processing and Out-Processing		.72	3.77
The in-processing at the Reserve center/PSD/REDCEN was done in		./2	3.77
a timely manner.	.56		
The in-processing at the Reserve center/PSD/REDCEN was done in	.50		
a professional manner.	.56		
I was out-processed through PSD in a timely manner.	.48		
My command released me from my recall assignment in a timely mann			
Habitability and Administration		. <i>7</i> 5	3.43
Adequacy of Messing satisfaction	.57		
Adequacy of Berthing satisfaction	.58		
Transfer of Credentialing/Privileging satisfaction	.48		
Availability of Uniforms – satisfaction	.50		
Timeliness of Pay - satisfaction	.45		
Financial and Family Hardship		.68	2.68
Financial Problems hardship	.64		2.00
Civilian Job/Practice hardship	.42		
Pay dissatisfaction	.45*		
Family/Relationship Separation - hardship	.33		•
•			
Command Staffing and Equipment		.61	3.44
The command to which I was recalled was appropriately staffed.	.44		
The command to which I was recalled was appropriately equipped.	.44		
Preparedness		.70	4.33
I had the professional knowledge/skills to perform my recall assignment	nt54		
I had the proper general military training to perform my recall assignm			
			• ••
Community and Family Support	A 77	.63	3.83
Community Support satisfaction	.47		
Family Support satisfaction Benefits (modical (depta), etc.)	.55 21		
Benefits (medical/dental, etc.) - satisfaction	.31		
School Attendance and Dependent Care Hardship		.41	2.62
School Attendance hardship	.26		
Child/Dependent Care hardship	.26		

^{*} Because hardship and satisfaction are inversely related, pay satisfaction values were reflected prior to analysis to indicate dissatisfaction.

the hardship as severe as opposed to about 10 percent of the married parents. Among single parents with only young (under age 13) children, a regression analysis was computed to identify factors associated with the perceived hardship of dependent care. In this analysis, the criterion variable was divided into two groups (moderate or severe hardship versus less than moderate hardship). The predictor variables included number of children, sex of parent, age of parent, adequacy of recall notification (adequate versus inadequate), distance to recall assignment (60 miles or less versus greater than 60 miles), officer versus enlisted status, and race (white versus all other). The results of this analysis indicated that sex of parent and number of dependent children were the only factors significantly associated with dependent care hardship (p<.05). These variables accounted for approximately 6 percent of the variance in the criterion. Mothers rated recall-related child care/ dependent care as a greater hardship (mean=3.34) than fathers (mean=2.64), and single parents with more pre-teen children had higher scores. Given the expense of child care, this sex difference in perceived hardship may be associated with potential genderbased income differences in the private sector. Alternatively, a number of reservists who are single parents may be in stable cohabitant relationships, and the temporary transfer of parental responsibilities may be somewhat more difficult for mothers to a male partner than for fathers to a female partner.

Professional Corps

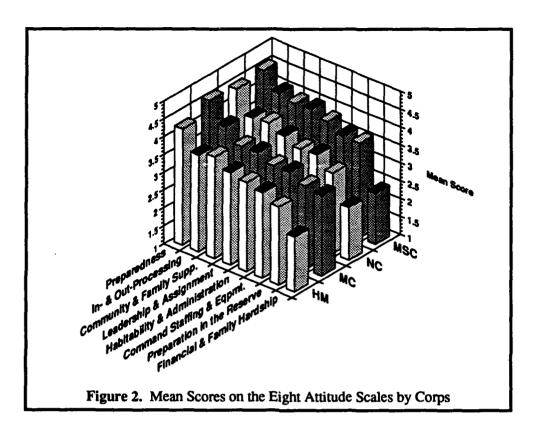
This section presents results of a series of analyses which were conducted to determine those aspects of the recall experience in which differences may have existed between members in different professional corps represented in this study. The mean responses of Medical Corps, Medical Service Corps, Nurse Corps, and Hospital Corps members were compared on each of the eight dependent variables assessed. It is noted that 10 percent of this Medical Corps group was comprised of Dental Corps officers (n=43), and 2 percent of the Hospital Corps group was comprised of Dental Technicians (n=39). Although the duty assignments included CONUS hospitals, CONUS Marine Corps support, hospital ships in the Gulf War, fleet hospitals in the Gulf War, and Marine Corps support in the Gulf War, there was not a sufficient sample size of each of the professional corps in each of the five assignment categories to conduct a completely

crossed factorial analysis. In fact, as shown in **Table 4**, each of the professional corps was represented adequately in only two of the assignments. These assignments were the CONUS hospitals and the fleet hospitals in the Gulf, which accounted for 78.4 percent of the entire sample.

	Table 4 Distribution of Navy Medical Reservists Across Recall Assignment														
Ι,	Recall Assignment														
	Count Row % Col. %	CONUS Hospital	CONUS Marine Support	Gulf Hospital Ship	Gulf Fleet Hospital	Gulf Marine Support	Total								
Corps	Medical Corps	253 59.7 11.7	33 7.8 13.8	18 4.2 8.7	97 22.9 17.0	23 5.4 16.7	424 12.8								
	Medical Service Corps	132 75.4 6.1	9 5.1 3.8	1 .6 .5	32 18.3 5.6	1 .6 .7	175 5.3								
	Nurse Corps	552 67.7 25.5	21 2.6 8.8	72 6.8 34.8	167 20.5 29.2	3 .4 22	815 24.5								
	Hospital Corps	1,227 64.4 56.7	177 9.3 73.8	116 61 560	275 14.4 48.2	111 5.8 80.4	1,906 57.4								
	Total	2,164 65.2	240 7.2	207 6.2	571 17.2	138 4.2	3,320 100.0								

In order to control for any potential effects of assignment, only reservists who were assigned either to a CONUS hospital or to a fleet hospital in the Gulf were entered into the following analysis of professional corps. In addition, duty assignment (i.e., CONUS hospitals versus fleet hospitals) was entered as a covariate. Using the four levels of professional corps as the independent variable, an analysis of covariance was then computed on each of the eight dependent variables. The results of these analyses demonstrated that professional corps was significantly associated with each of the dependent variables (p<.001). A summary table of each analysis of covariance and the post hoc Scheffe comparisons is provided in Appendix C.

As shown in Figure 2, the pattern of results for the measures of Preparedness, In- and Out-Processing, Leadership and Assignment, Habitability and Administration, Command Staffing and Equipment, and Preparation in the Reserve was very consistent. Hospital Corpsmen responded less positively, and Medical Service Corps officers responded more positively. In the remaining two areas, however, Medical Corps officers indicated a greater Financial and Family Hardship than other groups, and perceived lower levels of satisfaction with Family and Community Support. This may

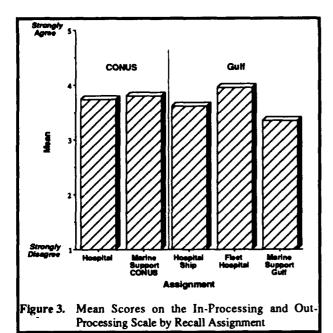


have been reflective of the disruption caused to the practices of many of the physicians who were recalled. An inspection of the individual items in this scale, for example, showed that 35 percent of the Medical Corps officers indicated that the recall placed a severe hardship on their civilian job/practice. On the other hand, only 11 percent of all other reservists indicated that the recall placed a severe hardship on their civilian job/practice.

Assignment

Because each of the professional corps was not sufficiently represented in each of the assignments to conduct a completely crossed factorial analysis on corps by assignment, the professional corps were combined into a dichotomous variable which consisted of officers (i.e., Medical Corps, Medical Service Corps, and Nurse Corps) and enlisted personnel (i.e., Hospital Corps). This variable was labeled officer/enlisted status. Although professional corps differences were assessed across two assignments in the previous section, the officer/ enlisted status variable was preserved in this set of analyses to assess any potential interactions with assignment. On each of the eight scales which assessed perceptions of the recall experience, an analysis of variance was computed to analyze the effect of officer/enlisted status (2 levels) and assignment (5 levels). In order to adjust for the increased probability of making a Type I error by conducting more than one statistical test, the alpha for significance was established at a more conservative .01. The mean score for each corps at each assignment for each variable is presented in Appendix D. The mean score for each item, grouped by corps and assignment is presented in Appendix E.

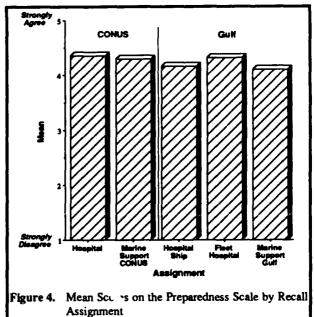
In- and Out-Processing. This four-item scale addressed the perceived timeliness and professionalism exhibited during the intake and release processes. The overall mean was 3.77 which indicated general agreement that in-processing and out-processing were conducted in a timely and professional manner. Results of the analysis of variance indicated a significant main effect of officer/enlisted status [F(1;3,507)=39.21, p<.001] and assignment [F(4;3,507)=12.91, p<.001]. Officers (mean=3.90) were more satisfied with In- and Out-Processing than Hospital Corpsmen (mean =3.68). As shown in Figure 3, individuals who were assigned with Marine Corps support in the Gulf War were the least satisfied with In- and Out-Processing, and those assigned to the fleet hospital in the Gulf War were the most satisfied. The interaction



between officer/enlisted status and assignment was not statistically significant.

A separate analysis of the effects of seniority on perceptions of In- and Out-Processing indicated that senior enlisted (E-6 through E-9) were significantly more satisfied than junior enlisted (E-2 through E-5) $_{1}t(1,472=4.07, p<.001]$, and senior officers (O-4 through O-6) were significantly more satisfied than junior officers (O-1 through O-3) [t(1,222)=4.34, p<.001]. Although the effects of seniority were statistically significant, the mean differences between senior and junior personnel were relatively small (enlisted: 3.79 versus 3.62; officer: 3.98 versus 3.77).

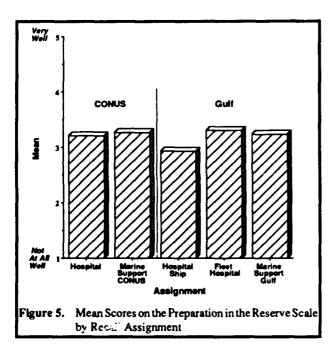
Preparedness. Preparedness was assessed through two items which addressed self-perceptions of possessing the requisite professional knowledge and skills, as well as the proper general military training, to perform the recall assignment. Reservists generally believed that they were well prepared to perform their recall assignments (mean=4.33); however, Hospital Corpsmen (mean=4.22) felt significantly less well prepared than officers (mean=4.49) [F(1;3,473)=84.11, p<.001]. Although the effect of assignment was statistically significant [F(4;3,473=4.33, p<.002], the mean differences presented in Figure 4 are relatively small. With an alpha of .01, post hoc comparisons using the Scheffe test were not significant. Using a less conservative alpha of .05, however, indicated that individuals assigned to hospital ships or Marine



support in the Gulf War felt significantly less well prepared than those assigned to a CONUS hospital. The interaction between officer/enlisted status and assignment was not statistically significant.

Self-perceptions of Preparedness were also positively associated with seniority, such that senior enlisted personnel (mean=4.36) felt more prepared than junior personnel (mean=4.14) [t(1,572)=5.31,p<.001], and senior officers (mean=4.59) felt better prepared than junior officers (mean=4.33) [t(1,126)=6.52, p<.001]. Because 40 percent of the Hospital Corpsmen in the sample reported that they had no prior active duty experience, an analysis was conducted to assess the relationship between prior active duty experience and Preparedness among Hospital Corpsmen. This analysis demonstrated that those individuals who had prior active duty experience felt significantly better prepared (mean=4.36) than those who had no prior active duty experience (mean=4.00) [t(1,749)=9.09, p<.001]. An additional analysis was then conducted among Hospital Corpsmen to examine the relationship between perceptions of Preparedness and working in a civilian career in which the skills are similar to those required by ones Navy Enlisted Classification (NEC). Approximately 52 percent of all Hospital Corpsmen in the sample were working in such civilian occupations. The results of this analysis indicated that working in a civilian occupation which required skills similar to those required by ones NEC was significantly associated with perceptions of preparedness $\{t(2,061)=7.02, p<.001\}$.

Preparation in the Reserve. Preparation in the Reserve assessed the degree to which training in the Reserve prepared the reservist in the areas of operational issues, leadership/management, general military issues, and dinical/professional skills. The mean score on the scale was 3.22 which reflected a relatively modest endorsement of the reservist training program. Results of the analysis of variance on officer/enlisted status by assignment demonstrated a significant main effect of assignment [F(4;3,373)=4.76, p<.001]. As shown in Figure 5, individuals assigned to the hospital ships rated their training in the Reserve significantly lower than individuals assigned to the fleet hospitals in the Gulf War. Neither the main effect of officer/enlisted status nor the interaction of this variable and assignment was significant.

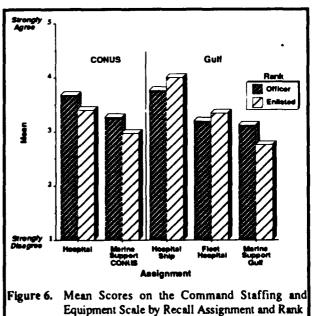


An analysis of the association between seniority and Preparation in the Reserve indicated that senior enlisted personnel responded significantly more positively (mean=3.44) than junior enlisted personnel (mean=3.05) [t(1,478)=8.30, p<.001]. Similarly, the more senior officers responded significantly more positively (mean=3.46) than the more junior officers (mean=3.01) [t(1,246)=7.62, p<.001]. Among Hospital Corpsmen, previous active duty experience was not significantly associated with perceptions of Preparation in the Reserve.

In addition to the items in the Preparation in

the Reserve scale, each reservist was asked to recommend the priority of a number of future training requirements for the drilling reservist. Based on their recall experience, slightly more than one-half of the sample (54%) identified Clinical/ Professional Skills Training as the leading priority. The alternative top-priority selections were Operational Training (18%), Leadership/ Management Training (16%), and General Military Training (11%). Responses from members who served in CONUS and in the Gulf War were very similar. A second question in the survey addressed the degree to which reservists attended additional training or educational opportunities during the recall. Overall, 62 percent of the reservists who served in the Gulf War and 55 percent of those who served in CONUS assignments received additional training during the recall.

Command Staffing and Equipment. This twoitem scale assessed the appropriateness of the staffing and equipment at the command to which the reservist was recalled. The analysis of variance yielded a significant main effect of officer/enlisted status [F(1;3,461)=21.78, p<.001] and assignment [F(4;3,461)=34.54, p<.001], as well as a significant interaction effect [F(4;3,461)=6.88, p<.001]. As shown in Figure 6, officers were more satisfied with Staffing and Equipment than were the Hospital Corpsmen, and reservists assigned to a hospital ship or a CONUS hospital were more satisfied than those assigned to Marine support or to a fleet hospital in the Gulf War. In addition, an interaction occurred



Equipment Scale by Recall Assignment and Rank

such that while officers assigned to CONUS hospitals, Marine support CONUS, or Marine support in the Gulf War were generally more positive than Hospital Corpsmen, those officers assigned to the hospital ships or the fleet hospitals in the Gulf War were less positive than Hospital Corpsmen. Some interpretation of this effect may be achieved by using the officer and enlisted scores at the CONUS hospitals as a benchmark to compare those scores achieved aboard the hospital ships and the fleet hospitals in the Gulf War. Although perceptions of Staffing and Equipment were relatively similar between officers at the CONUS hospitals and the hospital ships, they were substantially lower among officers assigned to the fleet hospitals in the Gulf War. Among enlisted Hospital Corpsmen, on the other hand, perceptions regarding Staffing and Equipment were fairly similar between those assigned to the CONUS hospitals and the fleet hospitals in the Gulf War; however, they were substantially more positive aboard the hospital ships. From this comparison, it could be concluded that Staffing and Equipment was a relatively negative issue for officers assigned to the fleet hospitals in the Gulf War and a relatively positive issue for the Hospital Corpsmen assigned to the hospital ships.

Separate analyses were computed for officers and Hospital Corpsmen to assess the effect of seniority within each community on perceptions of Staffing and Equipment. These analyses demonstrated that for both officers and enlisted personnel, seniority was not significantly associated with perceptions of Staffing and Equipment.

Habitability and Administration. The fiveitem Habitability and Administration scale assessed the adequacy of messing and berthing, the availability of uniforms, the timeliness of pay, and the satisfaction with transfer of credentialing/ privileging. Results of the analysis of variance indicated a significant main effect of assignment [F(4;3,479)=44.51, p<.001], and a significant interaction effect [F(4;3,479)=4.11, p<.003]. As shown in Figure 7, Habitability and Administration was most positive in CONUS hospitals and least positive in Marine support assignments in the Gulf War. While officers' and enlisted Hospital Corpsmen's perceptions were generally very similar, officers aboard the hospital ships viewed Habitability and Administration somewhat less positively than Hospital Corpsmen. An inspection of the data revealed that this difference was evident for both Nurse Corps and Medical Corps officers aboard the hospital ships. An examination of the individual items indicated that the greatest differences between officers aboard the hospital ships and officers in other assignments were in the areas of timeliness of pay and availability of uniforms. Interestingly, the adequacy of messing was viewed somewhat more positively among officers aboard the hospital ships. The main effect of officer/enlisted status was not statistically significant.

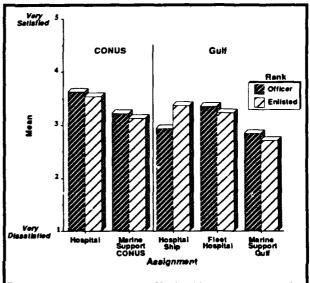
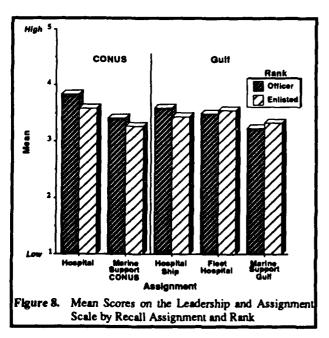


Figure 7. Mean Scores on the Habitability and Administration
Scale by Recall Assignment and Rank

Within the Hospital Corpsmen community, perceptions of Habitability and Administration did not differ significantly between senior and junior personnel. Within the officer community, however, more senior officers held significantly more positive attitudes toward Habitability and Administration (mean=3.59) than the more junior officers (mean=3.39) [t(1,191=3.80, p<.001].

Leadership and Assignment. An eight-item scale assessed perceptions of leadership caliber and assignment satisfaction. These items addressed skills utilization, acceptance by the gaining command, assignment appropriateness for a given NOBC/NEC, preparation to receive reservists by the gaining command, training opportunities, leadership caliber, assignment satisfaction, and satisfaction with the overall recall experience. The results of the analysis of variance on officer/enlisted status by assignment demonstrated that both main effects and the interaction effect were significant. As shown in Figure 8, officers (mean=3.71) expressed

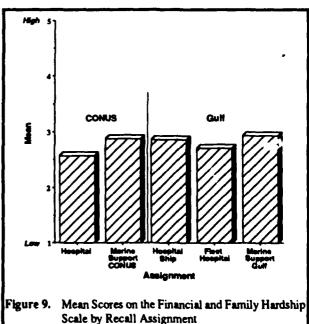
more positive assessments than enlisted Hospital Corpsmen (mean=3.53) [F(1;3,507)=30.01, p<.001], and individuals assigned to the CONUS hospitals (mean=3.68) expressed significantly more positive perceptions of Leadership and Assignment than individuals with Marine support CONUS (mean=3.30) or Marine support in the Gulf War (mean=3.31) [F(4;3,507)=16.13, p<.001]. Although statistically significant, the interaction effect was not of great magnitude and is difficult to interpret. In comparing the CONUS hospital results with those obtained in the hospital ships and the fleet hospitals in the Gulf War, it appears that the perceptions of the Hospital Corpsmen were relatively consistent across assignments. The mean scores of the officers assigned to the fleet hospitals in the Gulf War and the hospital ships, on the other hand, were somewhat lower than those expressed by the officers in the CONUS hospitals. Similarly, a comparison of Hospital Corpsmen scores between Marine support in CONUS and Marine support in the Gulf War appeared relatively consistent. Officers assigned to Marine support in the Gulf War, however, had somewhat lower scores than officers assigned to Marine support in CONUS.



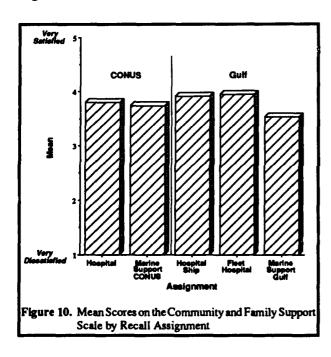
An analysis of the effect of seniority on perceptions of Leadership and Administration indicated a relatively small, but significant, effect within the enlisted Hospital Corpsmen community such that senior personnel (mean=3.60) were more

satisfied than junior personnel (mean=3.48) [t(1,467)=2.82, p<.005]. The effect was not significant within the officer community.

Financial and Family Hardship. This fouritem scale assessed perceptions of hardship regarding finances, civilian job or practice, and family or relationship separation. In addition, it assessed the level of dissatisfaction with pay. The analysis of variance demonstrated a significant main effect of officer/enlisted status and assignment. Overall, officers (mean=2.73) expressed a higher level of hardship than enlisted personnel (mean=2.59) [F(1;3,425)=22.04, p<001]. This may have been due, in large measure, to the financial losses experienced among Medical Corps officers during their participation in the recall. For example, 63 percent of the Medical Corps officers indicated that the recall imposed a moderate to severe hardship on their civilian job or practice, while only 25 percent of all other personnel indicated a moderate to severe hardship. Similarly, 42 percent of the Medical Corps officers identified a moderate or severe hardship on financial problems, while only 24 percent of all other reservists indicated a moderate or severe hardship on financial problems. As shown in Figure 9, the lowest level of hardship was experienced in the CONUS hospitals [F(4;3,425)=13.95, p<.001]. The interaction effect was not significant. The effect of seniority was assessed among the officers and the enlisted Hospital Corpsmen, and was not statistically significant.



Community and Family Support. The Community and Family Support variable was assessed with a three-item scale which addressed community support, family support, and satisfaction with benefits. The overall mean was 3.82 which indicated a relatively high endorsement for this set of items. The results of the analysis of variance demonstrated a significant main effect of assignment [F(4;3,413)=7.73, p<.001]. As shown in Figure 10, individuals assigned to the hospital ships or the fleet hospitals in the Gulf War exhibited slightly higher scores on the Community and Family Support variable than reservists assigned to other duty stations. The main effect of officer/enlisted status and the interaction effect were not significant. An analysis of the effect of seniority was also not significant.



Gender

As shown in Table 5, within the Nurse Corps and Hospital Corps there were sufficiently large numbers of women in a variety of assignments to support a series of analyses on gender differences in perceptions of the recall process. Among Nurse Corps officers, there were sufficient numbers of men and women assigned to CONUS hospitals, hospital ships, and fleet hospitals in the Gulf War to include these assignments in the analyses. Each of these assignments, as well as Marine support CONUS, was also included in the analyses of men and women who belonged to the Hospital Corpsmen

	Table 5 Distribution of Nurse Corps and Hospital Corps Reservists Across Recall Assignment by Sex												
	Nurse Corps												
	Recall Assignment												
	Convet CONUS Guif Gulf Gulf Row % CONUS Marine Hospital Fleet Marine Col. % Hospital Support Ship Hospital Support Total												
Se	Men	54 46.2 9.8	7 6.0 33.3	20 17.1 27.8	34 29.1 20.4	2 1.7 66.7	117 14.4						
	Women	496 71.3 90.2	14 2.0 66.7	52 7.4 72.2	133 19.1 79.6	1 .1 33.3	698 85.6						
i	Total	552 67.7	21 2.6	72 8.8	167 20.5	3 .4	815 100.0						
			Новр	oital Corps	,								
١.			Rec	all Assign:	ment								
	Court Row % Cal. %	CONUS Hospital	CONUS Marine Support	Gulf Hospital Ship	Gulf Fleet Hospital	Gulf Marine Support	Total						
Se	K Men	655 57.5 53.4	157 13.8 88.7	59 5.2 50.9	159 14.0 58.0	109 9.6 98.2	1139 59.8						
	Women	571 74.6 46.6	20 2.6 11.3	57 7.5 49.1	115 15.0 42.0	2 .3 1.6	765 40.2						
	Total	1,226 64.4	1 <i>77</i> 9.3	116 6.1	274 14.4	111 5.8	1,904 100.0						

community. Because of the potential confounding effects of extraneous variables such as the level of seniority (junior versus senior) and previous active duty experience (yes/no), these variables were statistically controlled through covariance procedures in the following set of analyses.

Nurse Corps Officers. A series of analyses of covariance was conducted to assess the effect of gender on each of the eight dependent measures assessed in this study. The alpha level was set at .01. Among Nurse Corps officers, there were no gender-related differences in seven of the eight areas of the recall experience. Financial and Family Hardship demonstrated the only significant gender effect [F(1;755)=10.70, p<.001] such that men reported a higher level of hardship (mean=2.79) than women (mean=2.46).

Hospital Corpsmen. A set of analyses of covariance similar to those conducted on the Nurse Corps officer data, was computed on the men and women reservists who were members of the Hospital Corps. Similar to the Nurse Corps results, there was a significant association between gender and Financial and Family Hardship [F(1;1,739)=8.04,

p<.005] such that men reported a higher level of hardship (mean=2.63) than women (mean=2.50). In addition, male Hospital Corpsmen (mean=4.33) perceived themselves as significantly better prepared [F(1;1,756)=10.77, p<.001] to perform their recall assignments than female Hospital Corpsmen (mean=4.11). Females (mean=3.62), on the other hand, reported significantly higher levels of satisfaction with Leadership and Assignment than the males (mean=3.47) [F(1;1,772)=9.35, p<.001]. Although these differences in Preparedness and in Leadership and Assignment are statistically significant, they are relatively small and may be of limited practical significance.

DISCUSSION

The large-scale recall of reservists for Operations Desert Shield/Storm represented the first real implementation of the Total Force policy within U.S. Navy medicine. The majority of medical reservists were recalled during August, 1990, or in January or February of 1991. Although there were some problems with inadequate notification times during the first recall in August, most of the reservists believed that they received adequate notification time, and that their in-processing was conducted in a timely and professional manner. In general, enlisted personnel and more junior personnel (officers and enlisted) were somewhat less satisfied with the timeliness and professionalism of the in-processing than were officers and more senior personnel. It is not clear whether this difference reflects actual in-processing behaviors and policies, or the tendency for more senior personnel to respond more favorably. In addition, the results indicated that reservists who were assigned to Marine Corps support in the Gulf War, and to a lesser extent those assigned aboard the hospital ships, experienced more problems with inprocessing and out-processing.

Based on an inspection of the concordance between Reserve program affiliation (e.g., Surface Medical Program, Fleet Marine Force Program, etc.) and actual recall assignment, most assignments appeared consistent with the Reserve program affiliation. Another indication of the efficiency of the initial recall process was the fact that only 12 percent of the reservists indicated that their original orders had been modified.

Those medical reservists who were recalled were generally confident that they had the

professional knowledge and skills, as well as the proper general military training to perform their recall assignments. This confidence was positively related to previous active duty experience and to working in a civilian occupation which required skills similar to those needed in the Reserve. This finding may have implications for staffing at the unit level to achieve an optimum distribution of experienced personnel. In general, officers were more confident in their level of preparedness than the Hospital Corpsmen, and more senior personnel (officers and enlisted) felt better prepared than more junior personnel. Some of this difference may be attributable to the fact that Hospital Corpsmen may be required to perform a range of duties outside their specialty training (e.g., supply, administration, logistics). These diverse demands may have adversely affected perceptions of preparedness.

Although the reservists believed that they were well prepared for their recall assignments, the reservist training program was not strongly endorsed by any community. Members assigned to the hospital ships reported the lowest level of training adequacy. These results suggest the need to review Navy medical reservist training policies and procedures. Additional familiarization with shipboard environments and Authorized Medical Allowance List equipment should be considered.

The operational aspects of the recall were assessed in three scales which addressed Command Staffing and Equipment, Habitability and Administration, and Leadership and Assignment satisfaction. In each of these areas, the mean scores, which ranged from 3.4 to 3.6 on a five-point scale, indicated a modest positive endorsement of the contributing items. As a general trend across these operationally-oriented scales, reservists assigned to CONUS hospitals rated items more positively than reservists assigned to Marine support; and Hospital Corpsmen rated items less positively than Medical Corps, Nurse Corps, or Medical Service Corps officers.

Within each scale, however, there were some interesting interactions between officer/enlisted status and assignment. Perceptions of Staffing and Equipment, for example, were generally higher among reservists assigned to CONUS hospitals or hospital ships compared with those assigned to Marine support (CONUS or Gulf War) or fleet hospitals in the Gulf War. Although officers rated Staffing and Equipment somewhat more positively

than Hospital Corpsmen in CONUS hospitals and in Marine support (CONUS and Gulf War), this was not the case in the fleet hospitals in the Gulf War or aboard the hospital ships. Compared with the responses of officers in CONUS hospitals or hospital ships, the perceptions of officers assigned to fleet hospitals appeared low. An inspection of the items in the scale indicated that the primary issue for both Medical Corps and Nurse Corps officers in fleet hospitals was equipment rather than staffing. Although much of this effect may have been due to fact that Operations Desert Shield/Storm occurred during a conversion of the Authorized Medical Allowance List for fleet hospitals, this result suggests the need to review medical equipment issues within the fleet hospitals. Similarly, the relatively lower perceptions of Staffing and Equipment among reservists assigned with Marine support units in both CONUS and the Gulf War, indicates attention to this matter. The perceptions of Hospital Corpsmen aboard hospital ships, on the other hand, were more positive than those assigned to any other duty station. This effect was due to the perceptions of both staffing and equipment.

In general, perceptions of Habitability and Administration were lowest among reservists serving with the Marines in the Gulf War. For both officers and enlisted personnel, ratings within this group were lower on timeliness of pay, availability of uniforms, messing, and berthing. Given the logistic difficulties in supporting forward-deployed personnel in time of war, this result was not unusual. The relatively low perceptions of Habitability and Administration among officers assigned to the hospital ships, however, was not anticipated. Both Medical Corps and Nurse Corps officers aboard these ships rated timeliness of pay, and availability of uniforms relatively low. Some of this dissatisfaction with the timeliness of pay aboard hospital ships may have been due to the fact that these personnel may have had better access to liberty and shopping opportunities than personnel in the fleet hospitals or with Marine support units in the Gulf. In addition, Nurse Corps officers assigned to hospital ships rated adequacy of berthing low. On the other hand, personnel aboard hospital ships rated the adequacy of messing more positively than personnel assigned to any other duty station. These data indicate that administrative policies and procedures (i.e., fiscal, uniforms) aboard hospital ships should be reviewed.

The scale which assessed Leadership and Assignment satisfaction revealed significant, but relatively small overall differences between officers and enlisted personnel and between personnel assigned to different duty stations. In general, the scale means indicated that personnel assigned to CONUS hospitals reported more positive scores than those assigned with the Marines, and officers responded more positively than enlisted personnel. An inspection of the individual items, however, revealed some rather substantial differences. The most dramatic finding was that across all corps, reservists assigned to the fleet hospitals in the Gulf War rated leadership caliber substantially lower than reservists in any other duty assignment. This finding suggests a problem within the highest levels of the fleet hospital commands and may have implications for screening or selection of commanding officers. On the other hand, relative dissatisfaction with leadership may have been associated with the reservists' lack of appreciation of the limits of authority of the medical commanding officer. A number of contentious policies, such as liberty and logistics, were often set by operational commanders and were beyond the span of control of the fleet hospitals' commanding officers. These organizational issues should be emphasized in reservist training. Officers assigned to fleet hospitals also reported that these commands were generally less well prepared to receive the reservists. Nurse Corps officers also indicated that the hospital ships were not well prepared to receive them. Reservists who served aboard the hospital ships also reported that their skills were not as well utilized as those of reservists in other assignments. This was probably due to the relatively low patient load experienced aboard these ships. Nurse Corps officers also felt somewhat less well accepted aboard the hospital ships. Finally, the lowest ratings of satisfaction regarding the appropriateness of the assignment for their NOBC/NEC and with the overall recall experience were expressed by reservists assigned to Marine support, both in CONUS and in the Gulf War.

The greatest financial hardships during the recall were experienced by the Medical Corps and Dental Corps officers. Approximately 35 percent of these reservists believed that the recall placed a severe hardship on their medical or dental practice, and 42 percent were experiencing a moderate or severe hardship regarding their finances. Similarly

Medical Corps officers reported generally lower levels of satisfaction with Community and Family Support, specifically in the areas of family support and satisfaction with benefits. From these data it is not possible to determine the long-term adverse effects on the private practices of those Medical and Dental Corps officers who were recalled. Anecdotally, there is some indication that local members of the professional communities often organized their schedules to cover for reservists who were recalled. Reserve centers should actively pursue these contingency arrangements with the professional organizations within their communities.

Overall in this study there were very few gender-related differences. Among Nurse Corps officers and Hospital Corpsmen, men expressed a significantly higher level of Financial and Family Hardship than women. This effect may largely be due to differential gender-based earning power in the private sector. If men have higher incomes than women in their civilian jobs, they may perceive a greater financial hardship associated with the recall process. Among single parents, on the other hand, mothers expressed higher levels of hardship with child care/dependent care than fathers. Given the expense of child care, this difference may also be associated with potential income differences in the private sector. It should be noted, however, that only 10 percent of the women and 3 percent of the men were single parents, and that even among single parents, the mean level of child care hardship was midway between "no hardship" and "severe hardship." Therefore, these data indicate that child care needs were reasonably well met by most reservist parents who were recalled.

In general, Navy medical reservists recalled during Operations Desert Shield/Storm believed that they were well prepared to meet the challenges of their assignments, and were reasonably well satisfied with the recall experience. While the lessons of Desert Storm may provide opportunities to further improve the Total Force policy, the results of this study indicate that the Navy medical recall procedures met the challenge of responding to rapidly moving, real world events. These findings are particularly meaningful given that the United States turns most often to the Navy as the service of choice when employing armed forces in support of political objectives. In an era of diminishing activeduty resources, the reserve forces will be expected to participate more actively in meeting the burden of a broader range of operational requirements and contingencies.

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Please complete this survey *immediately* and use the enclosed envelope to return

it to:

Commanding Officer

Attn: Medical Reservist Survey Naval Health Research Center

P.O. Box 85122

San Diego, CA 92186-5122

OPERATION DESERT STORM RESERVE MEDICAL SURVEY

	Demog	raphics
1.	Sex: 1. Male 2. Female	8. Are you self-employed?
	Age: years	9. Active Duty Service Prior
3.	Race: ("x" one) 1. White 2. Black 3. Hispanic 4. Filipino/Pacific Islander 5. Asian 6. Other, specify:	 10. Highest Educational Degree Obtained: ("x" one ☐ 1. Less than High Sch. ☐ 4. B.A./B.S. ☐ 2. High School ☐ 5. M.A./M.S. ☐ 3. A.A. (2 yrs. college) ☐ 6. Doctoral 11. At the time of your recall, were you enrolled in an educational program toward a degree
4.	Number of Dependent Children Living with You: (Ages 1-12) (If none, enter zero) (Ages 13-17)	in a health field?
5.	Marital Status: ("x" one) 1. Sir/yle 2. Married 3. Legally Separated / Divorced 4. Other, specify	similar to those required by your NOBC/NEC? 1. No 2. Yes 13. Enlisted Only:
6.	Spouse's Military Status: ("x" one) 1. No Spouse 2. Spouse Not in Military 3. Active Duty Military 4. Military Reserve, not recalled 5. Military Reserve, recalled	a. Paygrade E (enter digit 1-9) b. Primary NEC: 14. Officer Only: a. Rank O (enter digit 1-6)
7.	Spouse's Employment Status: ("x" one) 1. No Spouse 2. Spouse Not Employed 3. Full-Time 4. Part-Time	W (Werrent, enter digit 1-4) b. Officer Designator: c. NOBC:

In-Processing

1. Month Recalled to Active Duty: ("x" one) 1. Jan. 5. May 9. Sept.	5.	Approximate to recall assi				ome ——
☐2. Feb. ☐ 6. June ☐10. Oct. ☐3. Mar. ☐ 7. July ☐11. Nov. ☐4. April ☐ 8. Aug. ☐12. Dec.	6.	In what U.S. unit based?		•)
2. Prior to Desert Shield, were you aware that you could be recalled in the event of a national emergency? 1. No 2. Yes		Time between and reporting in-processing Was notificat	g deadli g:	ne for e adequate 1. No	?	_ days
 3. Naval Reserve Program Prior to Recall: ("x" one) 1. Program 32 (Hospital or Clinic) 2. Program 46 (Fleet Hospital) 3. Program 9 (Marine Support) 		Were you aw delay/exemp	tion pol	licy?	essing 1. No 2. Yes	
4. Program 5 (Air Unit) 5. Other, specify: 4. Recall Destination: ("x" one)	10.	Did you requ policy?		elay/exemp 1. No 2. Yes, C 3. Yes, D	Grante	d
1. Continental U.S. (CONUS) 2. Persian Gulf Area 3. Other, specify:	11.	Were you tre			o es	
The in-processing at the Reserve center/PSD/ REDCEN was done in a: 12. Timely Manner 13. Professional Man		Strongly Disagree 1	(circle 2 2	one # per fi 3 3	tem) 4 4	Strongly Agree 5 5
Recall A	\ss	ignment				
 Under what type of orders were you recalled? 1. Voluntary 2. Voluntary converted to involuntary 3. Involuntary 2. Recall assignment (Platform Type): ("x" one) 1. Medical/Dental Treatment Facility, Clinic 2. Fleet Hospital 3. Marine Support 4. Hospital Ship 5. Other, specify: 			nities o call? □1. N □2. Y	al training/ed ffered to yo No Yes, but I di Yes, and I a	ou durii d not a	ng attend any
 3. Excluding an extension of active duty, were yet original orders modified during recall? 1. No 2. Yes, changed duty station, same platform t 3. Yes, changed platform type and duty station 4. Yes, specify: 	ype	4	r clinica 1. [2. §	rour recall a al/profession Decrease? Stay the san ncrease?	nal skil	

Please use the scale to rate your level of agreement with each of the following: (Circle one number per item.) Strongly Stronaly Disagree Agree 6. My final recall duty station was prepared to receive me when I arrived. 3 5 5 7. My recall assignment was appropriate for my NOBC/NEC. 2 3 4 5 3 8. My skills were well utilized during my recall. 2 3 4 5 9. I was well accepted at the command to which I was recalled. 2 5 3 10. The command to which I was recalled was appropriately staffed. 2 3 5 4 11. The command to which I was recalled was appropriately equipped. 12. I had the professional knowledge/skills to perform my recall 3 5 assignment. 1 2 13. I had the proper general military training to perform my recall 2 3 5 assignment. 2 3 5 14. At the command I was recalled to, the leadership was of high caliber. 1 Please use the scale to rate your level of satisfaction with each of the following as each pertains to your recall experience: Verv Very (Circle one number per Item.) Dissatisfied Satisfied 15. Timeliness of Pay 2 3 5 1 2 5 16. Availability of Uniforms 1 3 5 2 3 1 4 17. Adequacy of Messing 2 3 5 4 18. Adequacy of Berthing 2 5 19. Transfer of Credentialing/Privileging 3 (if not applicable, leave blank) **Out-Processing**

(Complete this box ONLY IF you have bee	n released	from ac	ctive (duty.)		
How long was your recall period?	1					
months. 2. After the completion of your recall mission, how long did your out-processing take? days.	3. Did you receive a fitness report/enlisted evaluation prior to your release from active duty? 1. No 2. Yes 3. Don't know					m
Please use the scale to rate your level of agree (Circle one number per Item.)		each of the Strong Disagre	ly	owing:		strongly Agree
 My command released me from my recall a in a timely manner. 	ssignment	1	2	3	4	5
5. I was out-processed through PSD in a time	ly manner.	1	2	3	4	5

(Continue to page 4)

Please use the scale to rate the	impact o	f the recall of	on yo	u for eac	ch of th	ne follo	wing:	
(Circle one number per item.)	(Does	No				Seve	ere	
	Not Apply					Hard		
6. Child Care / Dependent Care	0	1	2	3	4	5	•	
7. Civilian Job/Practice	0	1	2	3	4	5	;	
8. School Attendance	0	1	2	3	4	5	i	
9. Financial Problems		1	2	3	4	5		
		i i	2	3	4	5		
10. Family/Relationship Separation	on	•	_	· ·	7	Ū	,	
Please use the scale to rate your level	of satisfa	action with e	each	of the fol	lowing	j as ea	ch pe	rtains
to your recall experience:	Very	•.		•	Very			
(Circle one number per item.)	Dissatis	fied		S	atisfie	d		
11. Pay	1	2	3	4	5			
12. Benefits (medical/dental, etc	c.) 1	2	3	4	5			
13. Training Opportunities	. 1	2	3	4	5			
14. Family Support	1	2	3	4	5			
15. Community Support	1	2	3	4	5			
16. Recall Assignment	1	2	3	4	5			
17. Overall Recall Experience	1	2	3	4	5			
The Contain Floriding Exponents	•	_						
How well did your training in the reserve				Not				
for your recall assignment in the following	g areas:			At A				Very
(Circle one number per item.)				Well]			Well
18. Clinical/Professional Skills Training				1	2	3	4	5
19. Operational Training (equipment, ter			•	1	2	3	4	5
20. General Military Training (Navy regu	ulations,	uniforms, ch	nain d			_		_
command, etc.)		•	. "	1	2	3	4	5
21. Leadership/Management Training (L	MEI, CO	ommand exc	celler	nce	_	•	4	-
seminars, etc.)				1	2	3	4	5
22. Based on your recall experience, rec								
requirements for the drilling reservist:	•			•	_	for 4th-	highe	st priority.)
	Clinical/	Professiona	ıl Skil	ls Trainir	ng			
	Operation	onal Training	g					•
	General	Military Tra	ining					
	Leaders	hip/Manage	emen	t Training	3			
OO Markli Dalar and Committee Committee				•				
23. Month Released from Active Duty: ("x"		OF What is			t Nlova	, intont	2	
☐ 1. Jan. ☐ 5. May ☐ 9. Sep☐ 2. Feb. ☐ 6. June ☐ 10. Oct		25. What is		n in the r				etatue
☐ 2. Feb. ☐ 6. June ☐ 10. Oct ☐ 3. Mar. ☐ 7. July ☐ 11. No				er to the		33 III GI	·······································	Sialus
4. April 8. Aug. 12. De				from the		rves		
13. not yet released	·.]			or recall			v	
	1			specify:			•	
24. Based on your experience, how well did		_	-					
the reservists perform in comparison wi	ith	26. To wha	at doc	TOO WOO	VOUR	nrocon	t Nav	v intent
their active duty counterparts?	İ							y IIILEIIL ircle one)
1. Not As Well		anoulo		•	mii evh			nuit Olfe /
2. Same	1		Not At A				ery luch	
3. Better	ļ		1	2	3		5	
4. Unable to Observe	,		ı	~	J	4	J	

27.	ease be candid, concise, and legible. (Continue on back as needed.) If your recall experience affected your plans for your Naval Reserve career, please indicate the
	primary reason. (If it did not, skip this item.)
28.	
1.	
2.	
3.	
	Identify the three most negative aspects of your recall experience.
١.	
2.	
3.	
	What can the Navy do to improve the effectiveness of any future recall?
2.	
_	
3.	

Thank you for your cooperation!

Appendix B
Scale and Scale Item Mean Values by Corps

		Mea	an Resp	onse	
Scale and Scale Items	All	MC	MSC	NC	НМ
In-Processing and Out-Processing The in-processing at the Reserve center/PSD/REDCEN was done in	3.77	4.02	4.03	3.81	3.67
a timely manner. The in-processing at the Reserve center/PSD/REDCEN was done in	3.59	3.90	3.91	3.60	3.49
a professional manner.	3.76	4.00	3.98	3.82	3.68
My command released me from my recall assignment in a timely manner.	3.87	4.02	4.17	3.98	3.77
I was out-processed through PSD in a timely manner.	3.85	4.14	4.16	3.91	3.74
Preparedness	4.33	4.58	4.54	4.45	4.22
I had the professional knowledge/skills to perform my recall assignment.	4.37	4.7 0	4.52	4.58	4.22
I had the proper general military training to perform my recall assignment.	4.28	4.46	4.55	4.32	4.23
Preparation in the Reserve	3.22	3.32	3.65	3.19	3.18
How well did your training in the Reserve prepare you for:					• • •
your recall assignment in clinical/professional skills training?	3.09	3.35	3.37	3.17	2.98
your recall assignment in operational training?	2.95	3.13	. 3.39	2.82	2.92
your recall assignment in general military training?	3.65	3.58	4.04	3.60	3.65
your recall assignment in leadership/management training?	3.16	3.12	3.72	3.11	3.13
Command Staffing and Equipment	3.44	3.52	3.67	3.59	3.33
The command to which I was recalled was appropriately staffed.	3.40	3.64	3.67	3.66	3.21
The command to which I was recalled was appropriately equipped.	3.48	3.39	3.68	3.52	3.45
Habitability and Administration	3.44	3.44	3.87	3.47	3.39
Timeliness of Pay - satisfaction	3.39	3.13	3.92	3.53	3.33
Availability of Uniforms - satisfaction	3.42	3.62	3.88	3.47	3.32
Adequacy of Messing — satisfaction	3.52	3.25	3.71	3.37	3.63
Adequacy of Berthing satisfaction	3.30	3.33	3.71	3.30	3.27
Transfer of Credentialing/Privileging - satisfaction	3.65	3.90	4.08	3.74	3.31
Leadership and Assignment	3.61	3.66	3.99	3.69	3.52
My final recall duty station was prepared to receive me when I arrived.	3.30	3.33	3.62	3.42	3.20
My recall assignment was appropriate for my NOBC/NEC.	3.90	4.17	4.28	4.04	3.77
My skills were well utilized during my recall.	3.64	3.60	4.07	3.74	3.56
I was well accepted at the command to which I was recalled.	4.00	4.27	4.41	4.09	3.85
At the command I was recalled to, the leadership was of high caliber.	3.38	3.51	3.87	3.34	3.30
Training Opportunities – satisfaction	3.22	2.89	3.35	3.35	3.20
Recall Assignment satisfaction Overall Recall Experience satisfaction	3.74 3.68	3.88 3.54	4.19 4.10	3.82 3.77	3.65 3.62
-					
Financial and Family Hardship* Civilian Job/Practice hardship	2.64 2.62	3.25 3.75	2.44 2.74	2.50 2.51	2.59 2.41
Financial Problems hardship	2.50	3.12	2.24	2.21	2.49
Family/Relationship Separation hardship	2.81	2.94	2.55	2.84	2.79
Pay dissatisfaction*	2.68	3.25	2.25	2.46	2.69
·					
Community and Family Support	3.83	3.67	3.98	3.88	3.82
Community Support satisfaction Family Support satisfaction	4.04 3.65	4.12	4.09 3.84	4.08 3.66	4.00
Benefits (medical/dental, etc.) – satisfaction	3. 7 9	3.32 3.55	4.01	3.88	3.68 3.78
		2,22			
School Attendance and Dependent Care Hardship School Attendance hardship	2.88	1.98	2.27 2.12	3.01 2.90	3.03
Child/Dependent Care — hardship	3.27 2.51	2.22	2.12	2.96	3.48 2.42
Child Dependent Care - natustry	2.31	2.22	2.23	4.70	2.42

^{*} Because hardship and satisfaction are inversely related, pay satisfaction values were reflected prior to analysis to indicate dissatisfaction.

Appendix C
Results of Analysis of Covariance for Each Scale

In-Processing and	In-Processing and Out-Processing												
	Analysis of Variance Summary Table												
Source of Sum of Degrees of Mean Significance Variation Squares Freedom Square F of F													
Covariates	25.0	1	1	25.01]	29.21	<.001						
Assignment ^a Main Effects	25.0 51.3		1 3	25.01 17.13	_	29.21 20.00	<.001 <.001						
Corps ^b Explained	51.3 76.3	-	3 4	17.13 19.10		20.00 22.30	<.001 <.001						
Residual Total	2329.8 2406.1		721 725	.86 .88.	-								
	Multip	ole Range	Test: S	cheffe l	Proce	dure							
	<u>Mean</u> 3.69	<u>Corps</u> HM	<u>HM</u>	<u>NC</u>	<u>MC</u>	<u>MSC</u>							
	3.85	NC	•										
	4.04	MC	*										
	4.10	MSC											

Preparedness												
Analysis of Variance Summary Table												
Source of Variation	Sum Squa		grees of	Mean Square	_ <u>F_</u>	Significance of F						
Covariates	.1	4	1	.14	.21	.65						
Assignment ^a Main Effects	.1 55.5	4 4	1 3	.14 18.52	.21 26.97	.65 <.001						
Corps ^b Explained	55.5 55.6	_	3 4	18.52 13.92	26.97 20.28	<.001 <.001						
Residual Total	1851.1 1906.8	-	2697 2 7 01	.69 .71								
	Multip <u>Mean</u> 4.24 4.47	ole Range <u>Corps</u> HM NC		cheffe Proce								
	4.55 4.60	MSC MC	•									

^a CONUS Hospital versus Gulf Fleet Hospital

b MC versus MSC versus NC versus HM

^{*} Denotes paired comparisons significantly different at the .01 level.

Preparation in the Reserve												
Analysis of Variance Summary Table												
Source of Variation												
Covariates	3.7	9	1	3.7	9	3.22	.07					
Assignment ^a Main Effects	3.7 32.7		1 3	3.79 10.9		3.22 9.26	.07 <.001					
Corps ^b Explained	32.7 36.4	-	3	10.90 9.12	-	9.26 7.75	<.001 <.001					
Residual	3088.1	3 2	624	1.18	8	7.75	<.001					
Total	3124.6	2 2	628	1.19	9							
	Multip	ole Range	Test: S	cheffe	Proce	dure						
	<u>Mean</u> 3.17	<u>Corps</u> HM	<u>HM</u>	<u>NC</u>	<u>MC</u>	<u>MSC</u>	•					
	3.24	NC										
	3.32 4.64	MC MSC	*									

	Anal	ysis of V	Variance S	Summa	ry Ta	ble	
Source of Variation	Sum Squa		grees of reedom	Mean Squar		_ <u>F_</u>	Significance of F
Covariates	23.6	9	1	23.69)	20.61	<.001
Assignment ^a Main Effects	23.6 29.1		1 3	23.69 9.71		20.61 8.45	<.001 <.001
Corps ^b	29.1	2	3	9.71		8.45	<.001
Explained	52.8	1	4	13.20)	11.49	<.001
Residual	3088.1	2	2687	1.15	;		
Total	3140.9	3	2691	1.17	•		
	Multip	ole Rang	ge Test: S	cheffe l	Proce	dure	
	<u>Mean</u> 3.38	Corps HM	<u>HM</u>	<u>MC</u>	<u>NC</u>	MSC	
	3.53	MC					
	3.57	NC	*				
	3.64	MSC					

a CONUS Hospital versus Gulf Fleet Hospital
 b MC versus MSC versus NC versus HM

^{*} Denotes paired comparisons significantly different at the .01 level.

Habitability and	Admini	stration											
	Analysis of Variance Summary Table												
Source of Variation	Sum Squa	-0	rees of	Mea Squa		<u>_</u> F	Significance of F						
Covariates	33.8	32	1	33.82	2	38.39	<.001						
Assignment ^a Main Effects	33.8 22.4	_	1 3	33.82 7.49	_	38.39 8.51	<.001 <.001						
Corps b	22.4	18	3	7.49	•	8.51	<.001						
Explained	56.3	Ю.	4	14.0	7	15.98	<.001						
Residual	2377.4	3 2	699	.88	3								
Total	2433.7	2 2	703	.90)								
	Multij	ple Range	Test: S	cheffe	Proce	dure							
	<u>Mean</u> 3.48	Corps HM	<u>HM</u>	<u>MC</u>	<u>NC</u>	<u>MSC</u>							
	3.51	MC											
ļ	3.54	NC											
	3.87	MSC	*	*	*								

Leadership and A	Assignme	nt					······································				
	Analy	ysis of Va	riance S	Summa	ry Ta	ble					
Source of Variation	Significance of F										
Covariates	9.5	1	1	9.54	Į.	12.34	<.001				
Assignment ^a Main Effects	9.54 39. 56	_	1 3	9.54 13.19	_	12.34 17.06	<.001 <.001				
Corps b	39.5	-	3	13.19		17.06	<.001				
Explained Residual	49.10 2103.5	_	4 721	12.28 .77		15.88	<.001				
Total	2152.6	1 2	725	.79	9						
	Multip	le Range	Test: S	cheffe	Proce	dure					
<u>Mean Corps HM MC NC MSC</u> 3.57 HM											
	3.69	MC									
	3.72 4.03	NC MSC	*	•	•						

a CONUS Hospital versus Gulf Fleet Hospital
 b MC versus MSC versus NC versus HM

^{*} Denotes paired comparisons significantly different at the .01 level.

Financial and Fa	Financial and Family Hardship												
	Analysis of Variance Summary Table												
Source of Sum of Degrees of Mean Sig Variation Squares Freedom Square F													
Covariates	9.48		1	9.48	3	10.19	.001						
Assignment ^a Main Effects	9. 4 8 161.01		1 3	9.48 53.67		10.19 57.73	.001 <.001						
Corps b	161.01		3	53.62	7	<i>57.7</i> 3	<.001						
Explained	170.48		4	42.62	2	45.85	<.001						
Residual	2476.57	26	64	.93	3								
Total	2647.06	26	68	.99	9								
	Multiple	e Range T	Гest: S	cheffe	Proce	dure							
	Mean	Corps	MSC	<u>NC</u>	<u>HM</u>	<u>MC</u>							
2.42 MSC													
	2.46	NC											
	2.53	HM											
	3.24	MC	*	*	*								

Community and	Family 5	upport					
	Anal	ysis of Va	riance S	Summa	ry Ta	ble	
Source of Variation	Sum Squar	- 0	rees of edom	Mean Squar		F	Significance of F
Covariates	10.8	8	1	10.88	3	13.98	<.001
Assignment ^a Main Effects	10.8 16.8		1 3	10.88 5.63		13.98 7.23	<.001 <.001
Corps ^b	16.8	8	3	5.63	3	7.23	<.001
Explained	27.7	5	4	6.94	}	8.92	<.001
Residual	2066.6	1 20	656	.78	3		
Total	2094.3	6 20	660	.79)		
	Multip	ole Range	Test: S	cheffe l	Proce	dure	
	<u>Mean</u> 3.68	<u>Corps</u> MC	<u>MC</u>	<u>HM</u>	<u>NC</u>	MSC	
	3.83	HM					
	3.89	NC	•				
	4.01	MSC	*				

a CONUS Hospital versus Gulf Fleet Hospitalb MC versus MSC versus NC versus HM

^{*} Denotes paired comparisons significantly different at the .01 level.

Appendix D Scale Means by Corps and Assignment

In-Processing and Out-Processing

Recall Assignment

	Mean (Count)	CONUS Hospital		CONUS Marine Support		Gulf Hospital Ship		Fl	ulf eet spital	Gulf Marine Support		Total	
Coi	Medical Corps	4.03	(251)	3.98	(32)	4.03	(18)	4.07	(97)	3.46	(23)	4.00	(421)
	Medical Service Corps	4.10	(131)				-, · -	4.10	(31)			4.09	(173)
	Nurse Corps	3.83	(551)	3.82	(20)	3.47	(72)	3.94	(166)			3.82	(812)
	Hospital Corps	3.62	(1,224)	3. 7 5	(177)	3.64	(116)	3.97	(275)	3.31	(111)	3.67	(1,903)
	Total	3. 7 5	(2,157)	3.80	(238)	3.62	(207)	3.99	(569)	3.35	(138)	3. 7 7	(3,309)

Preparedness

Recall Assignment

							G						
	Mean (Count)	(nt) CONUS Hospital				Ho	Gulf Hospital Ship		ulf eet spital	Ma	ulf rine port	То	tal
Cor	Ps Medical Corps	4.66	(251)	4.48	(32)	4.53	(18)	4.43	(96)	4.41	(23)	4.58	(420)
	Medical Service Corps	4.59	(132)					4.39	(31)			4.54	(173)
	Nurse Corps	4.48	(541)	4.36	(18)	4.25	(72)	4.46	(165)			4.45	(799)
	Hospital Corps	4.24	(1,211)	4.24	(176)	4.08	(114)	4.26	(275)	4.05	(111)	4.22	(1,887)
	Total	4.37	(2,135)	4.28	(234)	4.18	(205)	4.35	(567)	4.11	(138)	4.34	(3,279)

NOTE: Empty cells denote less than 15 respondents; total figures reflect their inclusion.

Preparation in the Reserve

Recall Assignment

Mean (Count)		CONUS Hospital		CONUS Marine Support		Gulf Hospital Ship		Gulf Fleet Hospital		Gulf Marine Support		Total	
Corp	Medical Corps	3.36	(230)	3.31	(30)	3.16	(17)	3.21	(94)	3.35	(20)	3.31	(391)
	Medical Service Corps	3.61	(125)					3.78	(29)			3.63	(165)
	Nurse Corps	3.23	(526)	2.88	(20)	2.74	(69)	3.29	(163)			3.19	(781)
-	Hospital Corps	3.14	(1,190)	3.29	(169)	3.03	(112)	3.30	(272)	3.17	(105)	3.17	(1,848)
	Total	3.22	(2,071)	3.26	(228)	2.94	(199)	3.31	(558)	3.21	(129)	3.22	(3,185)

Command Staffing and Equipment

Recall Assignment

							•							
λ	Ho		CONUS M		CONUS Marine Support		Gulf Hospital Ship		Gulf Fleet Hospital		Gulf Marine Support		Total ·	
Corp	Medical Corps	3.70	(249)	3.20	(32)	4.06	(18)	3.08	(96)	3.25	(22)	3.51	(417)	
	Medical Service Corps	3.79	(132)				!	3.02	(31)			3.62	(173)	
	Nurse Corps	3.64	(538)	3.47	(17)	3.70	(72)	3.34	(164)			3.58	(794)	
	Hospital Corps	3.38	(1,207)	2.95	(174)	4.01	(115)	3.35	(275)	2.77	(111)	3.34	(1,882)	
	Total	3.51	(2,126)	3.03	(231)	3.91	(206)	3.28	(566)	2.84	(137)	3.43	(3,266)	

Habitability and Administration

Recall Assignment

	Mean (Count)		CONUS Hospital		CONUS Marine Support		Gulf Hospital Ship		Gulf Fleet Hospital		Gulf Marine Support		tal
Coi	Medical Corps	3.59	(250)	3.21	(32)	3.06	(18)	3.30	(96)	3.09	(22)	3.45	(418)
	Medical Service Corps	3.97	(129)					3.46	(31)			3.82	(170)
	Nurse Corps	3.59	(542)	3.17	(19)	2.89	(72)	3.40	(164)			3.47	(800)
	Hospital Corps	3.54	(1,217)	3.12	(176)	3.34	(116)	3.24	(275)	2.69	(111)	3.39	(1,895)
	Total	3.58	(2,138)	3.14	(235)	3.16	(207)	3.31	(566)	2.72	(137)	3.44	(3,283)

Leadership and Assignment

Recall Assignment

	Mean (Count)		NUS spital	Ma	NUS rine port	Ho	ulf spital nip	Fl	ulf eet spital	Ma	ulf rine port	To	tal
Coi	Medical Corps	3.80	(253)	3.52	(33)	3.69	(18)	3.38	(96)	3.37	(23)	3.65	(423)
	Medical Service Corps	4.11	(132)					3.71	(31)			3.98	(173)
	Nurse Corps	3.77	(549)	3.28	(20)	3.58	(72)	3.55	(166)			3.69	(810)
	Hospital Corps	3.57	(1,224)	3.26	(177)	3.46	(116)	3.56	(275)	3.30	(111)	3.51	(1,903)
	Total	3.68	(2,158)	3.29	(238)	3.52	(207)	3.53	(568)	3.29	(138)	3.60	(3,309)

Financial and Family Hardship

Recall Assignment

	Mean (Count)		NUS spital	Ma	NUS rine port	Ho	ulf spital nip	Fl	ulf eet spital	Ma	ulf rine port	То	otal
Coi	Medical Corps	3.24	(243)	3.31	(33)	3.25	(18)	3.24	(95)	3.36	(22)	3.25	(411)
	Medical Service Corps	2.39	(128)					2.56	(30)			2.46	(169)
	Nurse Corps	2.44	(535)	2.49	(20)	2.92	(69)	2.54	(164)			2.50	(791)
	Hospital Corps	2.50	(1,202)	2.81	(171)	2.75	(114)	2.65	(272)	2.84	(106)	2.59	(1,865)
	Total	2.56	(2,108)	2.86	(233)	2.86	(202)	2.71	(561)	2.95	(132)	2.65	(3,236)

Community and Family Support

Recall Assignment

	Mean (Count)		NUS spital	Ma	NUS rine port	Ho	ulf spital nip	Fl	ulf eet spital	Ma	ulf rine port	To	otal •
Coi	Medical Corps	3.65	(242)	3.70	(33)	3.73	(18)	3.73	(94)	3.48	(22)	3.67	(409)
	Medical Service Corps	3.99	(128)					4.09	(30)			3.98	(168)
	Nurse Corps	3.84	(532)	3.55	(20)	3.84	(69)	4.07	(164)			3.88	(788)
	Hospital Corps	3.80	(1,199)	3.78	(170)	3.96	(114)	3.97	(272)	3.55	(105)	3.82	(1,860)
	Total	3.81	(2,101)	3.74	(231)	3.90	(202)	3.96	(560)	3.53	(131)	3.82	(3,225)

Appendix E
Scale Item Means by Corps and Assignment

		Corps				
			Medical			
Item (Scale)	Assignment	Medical Corps	Service Corps	Nurse Corps	Hospital Corps	Overall
(In-Processing and Out-Processing)						
The in-processing at the Reserve	CONUS Hospital	3.92	4.05	3.65	3.47	3.60
center/PSD/REDCEN was done	CONUS Marine Support	3.97		3.80	3.66	3.71
in a timely manner.	Gulf Hospital Ship	3.59		3.03	3.10	3.12
ma imiciy manner.	Gulf Fleet Hospital	3.96	3.87	3.67	3.77	3.78
	Gulf Marine Support	3.36			3.20	3.24
	Overall	3.89	3.99	3.60	3.49	3.60
	CONUS Hospital	4.02	4.12	3.85	3.68	3.79
The in-processing at the Reserve	CONUS Marine Support	4.26		4.00	3.78	3.85
center/PSD/REDCEN was done	Gulf Hospital Ship	3.65		3.49	3.40	3.45
in a professional manner.	Gulf Fleet Hospital	4.03	4.06	3.85	3.87	3.90
	Gulf Marine Support	3.27	• •		3.44	3.40
	Overall	3.98	4.07	3.81	3.68	3.77
	CONUS Hospital	3.95	4.15	3.93	3.69	3.81
My command released me from	CONUS Marine Support	3. <i>7</i> 7		4.00	3.65	3.71
my recall assignment in a timely	Gulf Hospital Ship	4.67		3.87	4.15	4.10
manner.	Gulf Fleet Hospital	4.15	4.23	4.21	4.09	4.14
	Gulf Marine Support	3.77			3.48	3.53
	Overall	4.00	4.16	3.98	3.76	3.87
	CONUS Hospital	4.16	4.12	3.93	3.66	3.82
I was out-processed through PSD	CONUS Marine Support	4.03		3.72	3. 7 9	3.83
in a timely manner.	Gulf Hospital Ship	4.18		3.44	3.95	3.79
	Gulf Fleet Hospital	4.22	4.26	4.06	4.13	4.13
	Gulf Marine Support	3.36			3.13	3.20
	Overall	4.12	4.15	3.91	3.73	3.84
(Preparedness)		. = .			4.00	
I had the professional knowledge	CONUS Hospital	4.76	4.57	4.57	4.23	4.40
/skills to perform my recall	CONUS Marine Support	4.66		4.56	4.22	4.30
assignment.	Gulf Hospital Ship	4.83		4.50	4.19	4.36
	Gulf Fleet Hospital	4.57	4.45	4.66	4.21	4.42
	Gulf Marine Support Overall	4.61 4.70	4.53	4.58	4.10 4.22	4.20 4.38
	Ocerum	7.70	4.55	4.50	7.24	4.00
I had the proper general military	CONUS Hospital	4.59	4.60	4.39	4.26	4.35
training to perform my recall	CONUS Marine Support	4.31		4.17	4.25	4.26
assignment.	Gulf Hospital Ship	4.22	• •	3.97	4.00	4.01
	Gulf Fleet Hospital	4.28	4.31	4.28	4.31	4.30
	Gulf Marine Support	4.20	4.54	4.00	3.99	4.00
	Overall	4.46	4.54	4.32	4.23	4.30

NOTE: Dashed entries had less than ten respondents. Dashed lines demarcate groupings of items by scale.

		Corps				
Item (Scale)	Assignment	Medical Corps	Medical Service Corps	Nurse Corps	Hospital Corps	Overall
(Preparation in the Reserves)						
•	CONUS Hospital	3.46	3.39	3.25	2.98	3.12
How well did your training in the	CONUS Marine Support	3.21		2.89	3.11	3.09
Reserve prepare you for your	Gulf Hospital Ship	3.24		2.64	2.80	2.78
recall assignment in clinical/	Gulf Fleet Hospital	3.18	3.38	3.12	2.96	3.07
professional skills training?	Gulf Marine Support	3.37			3.02	3.09
	Overall	3.36	3.36	3.16	2.98	3.09
	CONUS Hospital	3.05	3.22	2.76	2.75	2.81
How well did your training in the	CONUS Marine Support	3.31		2.84	3.23	3.21
Reserve prepare you for your	Gulf Hospital Ship	3.12		2.13	2.74	2.57
recall assignment in operational	Gulf Fleet Hospital	3.13	4.00	3.25	3.32	3.30
training?	Gulf Marine Support	3.55			3.26	3.31
	Overall	3.12	3.38	2.81	2.91	2.94
	CONTIC Hoomital	2 50	4.02	3.61	3.67	3.67
How well did your training in the	CONUS Hospital CONUS Marine Support	3.59 3.59	4.03	3.25	3.65	3.62
Reserve prepare you for your	Gulf Hospital Ship	3.47		3.36	3.56	3.49
recall assignment in general	Gulf Fleet Hospital	3.47 3.51	4.00	3.66	3.71	3.68
military training?	Gulf Marine Support	3.60	4.00	3.00	3.45	3.47
	Overall	3.56	4.03	3.59	3.65	3.65
	CONTINUE	0.10		0.17	2.14	2.10
How well did your training in the	CONUS Hospital	3.19	3.69	3.16	3.14	3.18
Reserve prepare you for your	CONUS Marine Support	3.03		2.55	3.20	3.12
recall assignment in leadership/	Gulf Hospital Ship	2.82	2.72	2.82	2.98	2.91
management training?	Gulf Fleet Hospital	2.98	3.72	3.10	3.22	3.17 2.94
	Gulf Marine Support Overall	2.89 3.09	3.68	3.10	2. 94 3.13	3.15
			3.00	5.10		
(Command Staffing and Equipment)						
The command to which I was	CONUS Hospital	3.63	3.66	3.63	3.09	3.32
recalled was appropriately staffed.	CONUS Marine Support	3.13		3.53	2.91	3.00
recalled was appropriately staticu.	Gulf Hospital Ship	4.39		3.86	4.06	4.02
	Gulf Fleet Hospital	3.71	3.58	3.65	3.70	3.68
	Gulf Marine Support	3.50			3.02	3.08
	Overall	3.63	3.64	3.64	3.21	3.40
The season and to the term	CONUS Hospital	3.77	3.93	3.67	3.69	3.71
The command to which I was	CONUS Marine Support	3.28		3.41	2.98	3.05
recalled was appropriately	Gulf Hospital Ship	3.72		3.54	3.97	3.80
equipped.	Gulf Fleet Hospital	2.44	2.43	3.04	3.00	2.89
	Gulf Marine Support	3.00			2.55	2.61
	Overall	3.38	3.60	3.52	3.47	3.48

				Tps		
			Medical			
		Medical	Service	Nurse	Hospital	
Item (Scale)	Assignment	Corps	Corps	Corps	Corps	Overall
ATT-1 to -1 20th and -1 A direct of the seather of						
(Habitability and Administration)	COMILIC Hospital	3.16	4.03	3.68	3.54	3.56
Timeliness of Pay - satisfaction	CONUS Hospital					
	CONUS Marine Support	2.88		3.42	2.77	2.83
	Gulf Hospital Ship	2.06	0.54	2.35	2.93	2.65
	Gulf Fleet Hospital	3.44	3.74	3.65	3.34	3.47
	Gulf Marine Support	2.45			2.25	2.25
	Overall	3.12	3.88	3.54	3.33	3.38
Assailability of I Iniforms	CONUS Hospital	3.97	4.05	3.65	3.50	3.63
Availability of Uniforms –	CONUS Marine Support	3.28		3.33	3.51	3.49
satisfaction	Gulf Hospital Ship	2.41		2.58	2.88	2.73
	Gulf Fleet Hospital	3.12	3.17	3.32	2.85	3.05
	Gulf Marine Support	3.24			2.63	2.68
	Overall	3.61	3.87	3.47	3.32	3.42
	Overall	3.01	3.07	3.47	5.52	J.42
	CONUS Hospital	3.35	3.71	3.38	3. 7 5	3.62
Adequacy of Messing						
satisfaction	CONUS Marine Support	3.13		2.88	3.30	3.25
	Gulf Hospital Ship	3.88		3.76	4.16	4.00
	Gulf Fleet Hospital	2.96	3.32	3.23	3.32	3.24
	Gulf Marine Support	3.55			3.09	3.12
	Overall	3.27	3.60	3.37	3.63	3.52
Adequacy of Berthing	CONUS Hospital	3.50	3.75	3.41	3.33	3.39
satisfaction	CONUS Marine Support	2.90		2.53	2.87	2.83
Satisfaction	Gulf Hospital Ship	3.06		2.69	3.42	3.14
	Gulf Fleet Hospital	3.20	3.45	3.37	3.46	3.39
	Gulf Marine Support	3.19			2. <i>7</i> 5	2.79
	Overall	3.34	3.61	3.29	3.28	3.30
	Overall	3.54	3.01	3.23	3.26	3.30
	CONUS Hospital	4.04	4.08	3.86	3.46	3. 7 9
Transfer of Credentialing/	CONUS Marine Support	3.71	4.00	3.00	3.05	3.41
Privileging satisfaction				2 20		
	Gulf Hospital Ship	3.93		3.38	2.96	3.35
	Gulf Fleet Hospital	3.80	3. <i>7</i> 7	3.47	2.82	3.53
	Gulf Marine Support	3.36			3.11	3.21
	Overall	3.93	4.06	3.75	3.29	3.67
(Leadership and Assignment)						
My final recall duty station was	CONUS Hospital	3.51	3.74	3.64	3.30	3.44
prepared to receive me when I	CONUS Marine Support	3.25		2.71	2.85	2.87
arrived.	Gulf Hospital Ship	3.28		2.63	3.07	2.94
u1117 Cu.	Gulf Fleet Hospital	2.86	3.07	3.14	3.31	3.17
	Gulf Marine Support	2.96			2.55	2.59
	Overall	3.30	3.54	3.42	3.20	3.28
	Coeran	3.30	3.34	3.42	3.20	3.26
	CONT IS Linewited	4 22	A AO :	4.01	3.76	3.92
My recall assignment was	CONUS Hospital	4.22	4.40			
appropriate for my NOBC/NEC.	CONUS Marine Support	3.53	~ -	3.22	3.49	3.45
·	Gulf Hospital Ship	4.50		3.97	3.81	3.93
	Gulf Fleet Hospital	4.42	4.39	4.26	3.96	4.15
	Gulf Marine Support	3.22			4.04	3.90
	Overall	4.17	4.32	4.04	3.78	3.92

Corps

		Corps				
Item (Scale)	Assignment	Medical Corps	Medical Service Corps	Nurse Corps	Hospital Corps	Overall
(Leadership continued)						
•	CONUS Hospital	3.76	4.16	3.85	3.65	3. 7 5
My skills were well utilized during my recall.	CONUS Marine Support	3.32		3.41	3.30	3.31
during my recan.	Gulf Hospital Ship	2.94		3.41	2.96	3.11
	Gulf Fleet Hospital	3.37	4.06	3.55	3.59	3.57
	Gulf Marine Support	3.82			3.64	3.64
	Overall	3.61	4.10	3.73	3.57	3.64
Tours and I want of at the	CONUS Hospital	4.38	4.49	4.18	3.84	4.03
I was well accepted at the	CONUS Marine Support	4.41		3.77	3.63	3.74
command to which I was	Gulf Hospit, Ship	4.06		3.50	3.54	3.58
recalled.	Gul et Hospital	4.02	4.13	4.09	4.18	4.12
	Gulf rine Support	4.00		• •	3.60	3.64
	Overall	4.26	4.38	4.08	3.84	3.98
	CONUS Hospital	4.00	4.16	3.67	3.46	3.62
At the command I was recalled	CONUS Marine Support	3.91		3.76	3.24	3.37
to, the leadership was of high	Gulf Hospital Ship	3.89		3.68	3.70	3.71
caliber.	Gulf Fleet Hospital	2.03	2.50	2.06	2.53	2.31
	Gulf Marine Support	3.45			3.08	3.10
	Overall	3.50	3.82	3.33	3.30	3.36
must be on the state	CONUS Hospital	2.95	3.48	3.32	3.25	3.24
Training Opportunities —	CONUS Marine Support	2.75		3.05	3.05	3.01
satisfaction	Gulf Hospital Ship	3.11		3.67	3.30	3.40
	Gulf Fleet Hospital	2. 7 9	3.13	3.40	3.32	3.25
	Gulf Marine Support	2.45			2.68	2.61
	Overall	2.88	3.39	3.35	3.21	3.21
	CONUS Hospital	3.91	4.24	3.77	3.66	3.75
Recall Assignment - satisfaction	CONUS Marine Support	3.64	7.47	3.20	3.25	3.28
	Gulf Hospital Ship	3.94	••	3.94	3.66	3.78
	Gulf Fleet Hospital	3.88	4.33	4.01	3.85	3.93
	Gulf Marine Support	3.91			3.60	3.62
	Overall	3.88	4.19	3.81	3.64	3.74
	CONT IS Hospital	3.53	4.17	3.78	3.66	3.71
Overall Recall Experience –	CONUS Hospital CONUS Marine Support	3.39	4.17	3.05	3.34	3.31
satisfaction	Gulf Hospital Ship	3.78		3.74	3.64	3.69
	Gulf Fleet Hospital	3.63	4.07	3.83	3.75	3.77
	Gulf Marine Support	3.27	4.07	J.03	3.16	3.17
	Overall	3.54	4.09	3.76	3.61	3.67

		Corps				
			Medical		**	
Item (Scale)	Assignment	Medical Corps	Service Corps	Nurse Corps	Hospital Corps	Overall
(Financial and Family Hardship)		- -				
Civilian Job/Practice – hardship	CONUS Hospital	3.81	2.83	2.62	2.45	2.69
Civilian 300/1 factice - hardship	CONUS Marine Support	3.84	~ -	2.50	2.51	2.74
	Gulf Hospital Ship	3.17	••	2.45	2.26	2.42
	Gulf Fleet Hospital	3.69	2.40	2.17	2.25	2.50
	Gulf Marine Support	3.52		 0 - 1	2.36	2.59
	Overall	3.74	2.77	2.51	2.41	2.64
	CONUS Hospital	3.07	2.17	2.11	2.40	2.39
Financial Problems - hardship	CONUS Marine Support	3.22		2.15	2.69	2.71
	Gulf Hospital Ship	3.00		2.65	2.66	2.69
	Gulf Fleet Hospital	3.13	2.57	2.35	2.61	2.62
	Gulf Marine Support	3.36			2.73	2.88
	Overall	3.11	2.28	2.21	2.49	2.49
	CONTIC Homital	2.85	2.42	2.75	2.72	2.72
Family/Relationship Separation	CONUS Hospital CONUS Marine Support	3.09	2.72	2.80	2.82	2.86
- hardship	Gulf Hospital Ship	2.94		3.17	2.94	3.02
-	Gulf Fleet Hospital	3.10	2.87	3.05	3.03	3.04
	Gulf Marine Support	3.14		5.05	2.82	2.88
	Overall	2.95	2.54	2.85	2.79	2.81
•	CONTIC Hospital	3.28	2.15	2.33	2.51	2.53
Pay - dissatisfaction	CONUS Hospital CONUS Marine Support	3.09	2.15	2.50	3.16	3.09
[Because hardship and satisfaction are	Gulf Hospital Ship	3.89	• •	3.39	3.10	3.27
inversely related, pay satisfaction values	Gulf Fleet Hospital	3.13	2.40	2.53	2.69	2.70
were reflected prior to analysis to indicate dissatisfaction.]	Gulf Marine Support	3.41			3.38	3.41
	Overall	3.26	2.26	2.47	2.68	2.68
(Community and Family Support)				- 04	0.04	2.00
Community Support satisfaction	CONUS Hospital	3.99	4.02	3.91	3.84	3.88
Community Coppers	CONUS Marine Support	3.88		3.50	4.13	4.01 4.45
	Gulf Hospital Ship	4.44	4 E2	4.53 4.54	4.41 4.33	4.43 4.42
	Gulf Fleet Hospital	4.41 4.41	4.53	4.54	4.28	4.32
	Gulf Marine Support Overall	4.12	4.08	4.09	4.00	4.04
Family Support satisfaction	CONUS Hospital	3.34	3.83	3.61	3.63	3.60
ranny Support - Satisfaction	CONUS Marine Support	3.25		3.45	3.69	3.62
	Gulf Hospital Ship	3.24		3.65	3.90	3.76
	Gulf Fleet Hospital	3.33	4.00	3.83	3.92	3.80
	Gulf Marine Support	3.23			3.42	3.37
	Overall	3.32	3.85	3.65	3.68	3.64
	CONUS Hospital	3.63	4.13	3.96	3.93	3.92
Benefits (medical/dental, etc.) –	CONUS Marine Support	3.84		3.68	3.53	3.57
satisfaction	Gulf Hospital Ship	3.56		3.43	3.58	3.53
	Gulf Fleet Hospital	3.44	3.73	3.83	3.68	3.68
	Gulf Marine Support	2.82			2.96	2.92
	Overall	3.55	4.00	3.88	3.78	3.79

Item (Scale)	Assignment	Medical Corps	Medical Service Corps	Nurse Corps	Hospital Corps	Overall
(School Attendance and Dependent Care Hardship)						
School Attendance hardship	CONUS Hospital	1. 79	1.68	3.00	3.47	3.26
	CONUS Marine Support				3.68	3.56
	Gulf Hospital Ship			2.81	3. 7 5	3.49
	Gulf Fleet Hospital			2.69	3.42	3.13
	Gulf Marine Support				3.47	3.49
	Overall	1.98	2.03	2.91	3.50	3.29
Child/Dependent Care - hardship	CONUS Hospital	2.08	2.20	3.07	2.44	2.53
cima, bependent cure marastrip	CONUS Marine Support	2.74		2.85	2.16	2.36
	Gulf Hospital Ship	2.00		2.49	2.44	2.39
	Gulf Fleet Hospital	2.45	2.42	2.87	2.68	2.67
	Gulf Marine Support	2.13		~ ~	2.35	2.35
	Overall	2.21	2.28	2.97	2.44	2.53

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13. ABSTRACT (Maximum 200 words)

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The recall of reserve forces in support of Operations Desert Shield/Storm resulted in the activation of approximately 9,700 Navy medical reservists. The purpose of this study was to identify major issues associated with the recall and assignment experiences. A demographically representative sample of 3,804 medical reservists (39%) responded to a survey between June and September, 1991. Results indicated that in-processing and out-processing were conducted in a timely and professional manner. Reservists felt well prepared to meet the challenges of their recall assignments; however, they did not strongly endorse the Reserve training program. As a general trend across operationally-oriented issues, such as command staffing and equipment, habitability and administration, and leadership and assignment satisfaction, responses were moderately positive. Reservists assigned to CONUS hospitals rated items more positively than those assigned to Marine support, and officers were more positive than Hospital Corpsmen. The greatest financial hardships were experienced by Medical and Dental Corps officers. Child care/dependent care requirements of most reservists with children appeared to be reasonably well met. Results are presented as a descriptive heuristic for policy considerations.

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